

EV620765432US

2/9

-pest/pathogen/ parasite (13)

response to

response to

biotic stimulus defense · response (16) (17)

response to wounding (9)

response to stress (14)

inflammatory response (7)

innate immune

metabolism (4)

(1) esuodsau

Down-regulated genes

immune response (16) macromolecule catabolism (8) cell adhesion 8 morphogenesis cellular cytosolic (3) concentration elevation (3) calclum ion

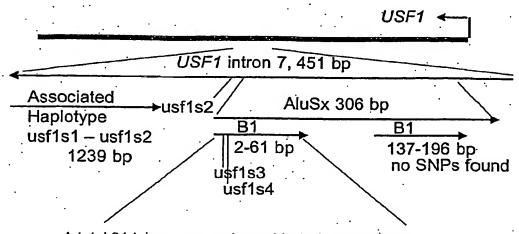
invasive growth colony morphology (3) catabolism (12) stimulus (11) response to external

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catabolism (4)

metabolism (3) fatty acid macromofecule

Up-regulated genes



A total 91 human genes have this 60 bp sequence, similar to the mouse B1 repeat, as a part of AluSx on the coding strand (43 genes) or on the opposite strand (48 genes)

Figure 3a

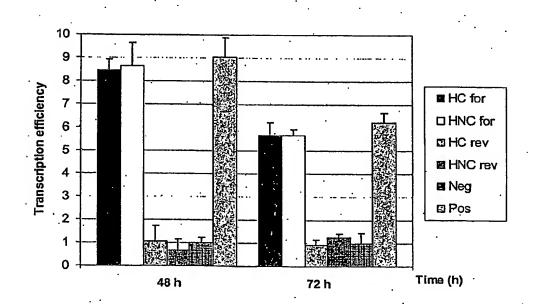
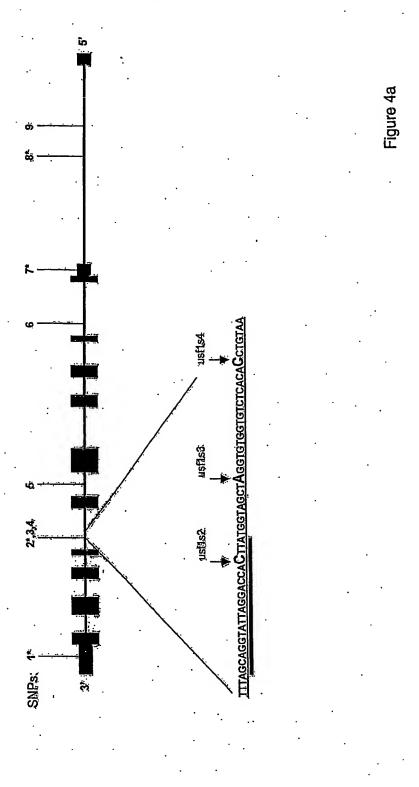


Figure 3b



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Figure 4b

TTTA SCACCTATTAGGACCACTTATGGTAGCTAGGTGTGTGTGTCTCACACCTGTAA TTTAGCAGGTATTAGGACCANTTATGGTAGCTAGGTGTGTGTGTCTCACANCTGTAA usf1s3 usf1s2

20bp probe

34bp probe

Human: GGTATTAGGACCA TTATGGTAGC

306bp AluSx

Chimp: GGTATTAGGACCA TTATGGTAGC

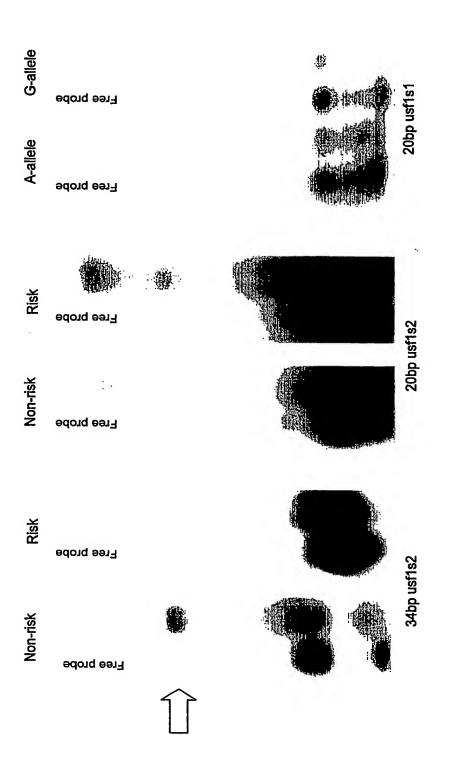
Dog: GG AT A GACCAS ------

Mouse: GG A T ACCAST T Rat: GG A T ACCASTCAT

U

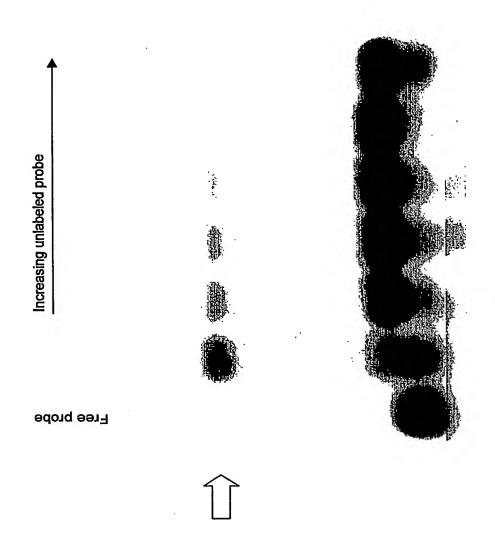
Chicken:

Consensus: GGYAYYRRRACCACYY

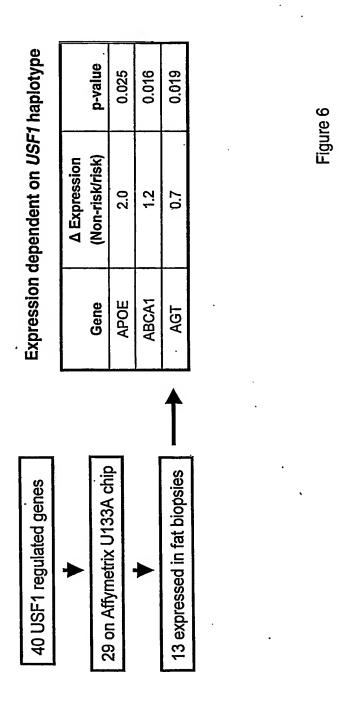


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igure 5b



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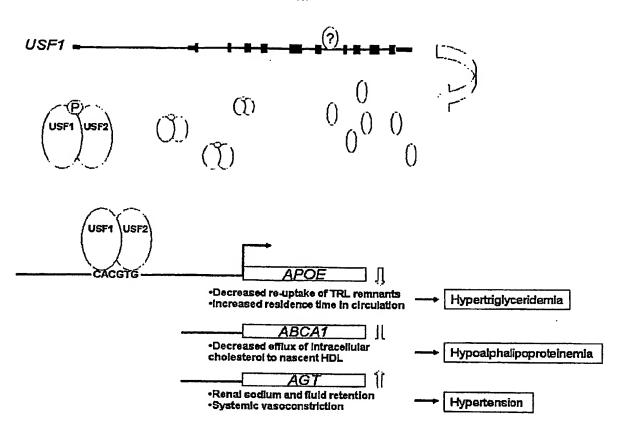


Figure 7

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